AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Original) An endoprosthesis assembly comprising an implantable endoprosthesis capable of being diametrically expanded from a smaller diameter to a larger diameter; and a generally tubular, delicate constraining sheath provided coaxially around the endoprosthesis at the smaller diameter of the endoprosthesis, said constraining sheath being provided with means for disruption initiated by application of a distending force to the constraining sheath, wherein said assembly is contained within a packaging sheath which is not required to be implantable.

2. (Original) An endoprosthesis assembly according to claim 1 wherein the delicate constraining sheath, in the absence of the packaging sheath, either at least partially disrupts or allows an increase in a maximum diameter of the endoprosthesis assembly of at least 0.15mm, when exposed to a temperature of at least 60°C for a time of at least 21 hours.

3. (Original) An endoprosthesis assembly according to claim 1 wherein the delicate constraining sheath, in the absence of the packaging sheath, either at least partially disrupts or allows an increase in a maximum diameter of the endoprosthesis assembly of at least 0.15mm, when exposed to a temperature of at least 60°C for a time of at least 24 hours.

4. (Original) An endoprosthesis assembly according to claim 1 wherein the delicate constraining sheath, in the absence of the packaging sheath, either at least partially disrupts or allows an increase in a maximum diameter of the endoprosthesis assembly of at least 0.15mm, when exposed to a temperature of at least 60°C for a time of at least 48 hours.

5. (Original) An endoprosthesis assembly according to claim 1 wherein the delicate constraining sheath, in the absence of the packaging sheath, either at least partially disrupts or allows an increase in a maximum diameter of the endoprosthesis assembly of at least 0.15mm, when exposed to a temperature of at least 60°C for a time of at least 5 days.

6. (Original) An endoprosthesis assembly according to claim 1 wherein the delicate constraining sheath, in the absence of the packaging sheath, either at least partially disrupts or allows an increase in a maximum diameter of the endoprosthesis assembly of at least 0.15mm, when exposed to a temperature of at least 60°C for a time of at least 10 days.

7. (Original) An endoprosthesis assembly according to claim 1 wherein the delicate constraining sheath, in the absence of the packaging sheath, either at least partially disrupts or allows an increase in a maximum diameter of the endoprosthesis assembly of at least 0.15mm, when exposed to a temperature of at least 60°C for a time of at least 20 days.

8. (Original) An endoprosthesis assembly according to claim 1 wherein the delicate constraining sheath, in the absence of the packaging sheath, either at least partially disrupts or allows an increase in a maximum diameter of the endoprosthesis assembly of at least 0.15mm, when exposed to a temperature of at least 60°C for a time of at least 30 days.

9. (Original) An endoprosthesis assembly according to claim 1 wherein the delicate constraining sheath, in the absence of the packaging sheath, either at least partially disrupts or allows an increase in a maximum diameter of the endoprosthesis assembly of at least 0.15mm, when exposed to a temperature of at least 60°C for a time of at least 45 days.

10. (Original) An endoprosthesis assembly according to claim 1 wherein the delicate constraining sheath, in the absence of the packaging sheath, either at least partially disrupts or allows an increase in a maximum diameter of the endoprosthesis assembly of at least 0.15mm, when exposed to a temperature of at least 60°C for a time of at least 60 days.

11. (Original) An endoprosthesis assembly according to claim 1 wherein the endoprosthesis is a self-expanding endoprosthesis.

12. (Original) An endoprosthesis assembly according to claim 11 wherein the delicate constraining sheath, in the absence of the packaging sheath, either at least partially disrupts or allows an increase in a maximum diameter of the endoprosthesis assembly of at least 0.15mm, when exposed to a temperature of at least 60°C for a time of at least 21 hours.

13. (Original) An endoprosthesis assembly according to claim 11 wherein the delicate constraining sheath, in the absence of the packaging sheath, either at least partially disrupts or allows an increase in a maximum diameter of the endoprosthesis assembly of at least 0.15mm, when exposed to a temperature of at least 60°C for a time of at least 24 hours.

14. (Original) An endoprosthesis assembly according to claim 11 wherein the delicate constraining sheath, in the absence of the packaging sheath, either at least partially disrupts or allows an increase in a maximum diameter of the endoprosthesis assembly of at least 0.15mm, when exposed to a temperature of at least 60°C for a time of at least 48 hours.

15. (Original) An endoprosthesis assembly according to claim 11 wherein the delicate constraining sheath, in the absence of the packaging sheath, either at least partially disrupts or allows an increase in a maximum diameter of the endoprosthesis assembly of at least 0.15mm, when exposed to a temperature of at least 60°C for a time of at least 5 days.

16. (Original) An endoprosthesis assembly according to claim 11 wherein the delicate constraining sheath, in the absence of the packaging sheath, either at least partially disrupts or allows an increase in a maximum diameter of the endoprosthesis assembly of at least 0.15mm, when exposed to a temperature of at least 60°C for a time of at least 10 days.

17. (Original) An endoprosthesis assembly according to claim 11 wherein the delicate constraining sheath, in the absence of the packaging sheath, either at least partially disrupts or allows an increase in a maximum diameter of the endoprosthesis assembly of at least 0.15mm, when exposed to a temperature of at least 60°C for a time of at least 20 days.

18. (Original) An endoprosthesis assembly according to claim 11 wherein the delicate constraining sheath, in the absence of the packaging sheath, either at least partially disrupts or allows an increase in a maximum diameter of the endoprosthesis assembly of at least 0.15mm, when exposed to a temperature of at least 60°C for a time of at least 30 days.

19. (Original) An endoprosthesis assembly according to claim 11 wherein the delicate constraining sheath, in the absence of the packaging sheath, either at least partially disrupts or allows an increase in a maximum diameter of the endoprosthesis assembly of at least 0.15mm, when exposed to a temperature of at least 60°C for a time of at least 45 days.

20. (Original) An endoprosthesis assembly according to claim 11 wherein the delicate constraining sheath, in the absence of the packaging sheath, either at least partially disrupts or allows an increase in a maximum diameter of the endoprosthesis assembly of at least 0.15mm, when exposed to a temperature of at least 60°C for a time of at least 60 days.

21. (Original) An endoprosthesis assembly according to claim 1 wherein the delicate constraining sheath comprises porous expanded polytetrafluoroethylene.

22. (Original) An endoprosthesis assembly according to claim 21 wherein the delicate constraining sheath, in the absence of the packaging sheath, either at least partially disrupts or allows an increase in a maximum diameter of the endoprosthesis assembly of at least 0.15mm, when exposed to a temperature of at least 60°C for a time of at least 21 hours.

23. (Original) An endoprosthesis assembly according to claim 21 wherein the delicate constraining sheath, in the absence of the packaging sheath, either at least partially disrupts or allows an increase in a maximum diameter of the endoprosthesis assembly of at least 0.15mm, when exposed to a temperature of at least 60°C for a time of at least 24 hours.

24. (Original) An endoprosthesis assembly according to claim 21 wherein the delicate constraining sheath, in the absence of the packaging sheath, either at least partially disrupts or allows an increase in a maximum diameter of the endoprosthesis assembly of at least 0.15mm, when exposed to a temperature of at least 60°C for a time of at least 48 hours.

25. (Original) An endoprosthesis assembly according to claim 21 wherein the delicate constraining sheath, in the absence of the packaging sheath, either at least partially disrupts or allows an increase in a maximum diameter of the endoprosthesis assembly of at least 0.15mm, when exposed to a temperature of at least 60°C for a time of at least 5 days.

26. (Original) An endoprosthesis assembly according to claim 21 wherein the delicate constraining sheath, in the absence of the packaging sheath, either at least partially disrupts or allows an increase in a maximum diameter of the endoprosthesis assembly of at least 0.15mm, when exposed to a temperature of at least 60°C for a time of at least 10 days.

27. (Original) An endoprosthesis assembly according to claim 21 wherein the delicate constraining sheath, in the absence of the packaging sheath, either at least partially disrupts or allows an increase in a maximum diameter of the endoprosthesis assembly of at least 0.15mm, when exposed to a temperature of at least 60°C for a time of at least 20 days.

28. (Original) An endoprosthesis assembly according to claim 21 wherein the delicate constraining sheath, in the absence of the packaging sheath, either at least partially disrupts or allows an increase in a maximum diameter of the endoprosthesis assembly of at least 0.15mm, when exposed to a temperature of at least 60°C for a time of at least 30 days.

29. (Original) An endoprosthesis assembly according to claim 21 wherein the delicate constraining sheath, in the absence of the packaging sheath, either at least partially disrupts or allows an increase in a maximum diameter of the endoprosthesis assembly of at least 0.15mm, when exposed to a temperature of at least 60°C for a time of at least 45 days.

30. (Original) An endoprosthesis assembly according to claim 21 wherein the delicate constraining sheath, in the absence of the packaging sheath, either at least partially disrupts or allows an increase in a maximum diameter of the endoprosthesis assembly of at least 0.15mm, when exposed to a temperature of at least 60°C for a time of at least 60 days.

31. (Original) An endoprosthesis assembly according to claim 21 wherein the endoprosthesis is a self-expanding endoprosthesis.

32. (Original) An endoprosthesis assembly according to claim 31 wherein the delicate constraining sheath either at least partially disrupts or allows an increase in a maximum diameter of the endoprosthesis assembly of at least 0.15mm, when exposed to a temperature of at least 60°C for a time of at least 21 hours.

33. (Original) An endoprosthesis assembly according to claim 31 wherein the delicate constraining sheath, in the absence of the packaging sheath, either at least partially disrupts or allows an increase in a maximum diameter of the endoprosthesis assembly of at least 0.15mm, when exposed to a temperature of at least 60°C for a time of at least 24 hours.

34. (Original) An endoprosthesis assembly according to claim 31 wherein the delicate constraining sheath, in the absence of the packaging sheath, either at least partially disrupts or allows an increase in a maximum diameter of the endoprosthesis assembly of at least 0.15mm, when exposed to a temperature of at least 60°C for a time of at least 48 hours.

35. (Original) An endoprosthesis assembly according to claim 31 wherein the delicate constraining sheath, in the absence of the packaging sheath, either at least partially disrupts or allows an increase in a maximum diameter of the endoprosthesis assembly of at least 0.15mm, when exposed to a temperature of at least 60°C for a time of at least 5 days.

36. (Original) An endoprosthesis assembly according to claim 31 wherein the delicate constraining sheath, in the absence of the packaging sheath, either at least partially disrupts or allows an increase in a maximum diameter of the endoprosthesis assembly of at least 0.15mm, when exposed to a temperature of at least 60°C for a time of at least 10 days.

37. (Original) An endoprosthesis assembly according to claim 31 wherein the delicate constraining sheath, in the absence of the packaging sheath, either at least partially disrupts or allows an increase in a maximum diameter of the endoprosthesis assembly of at least 0.15mm, when exposed to a temperature of at least 60°C for a time of at least 20 days.

38. (Original) An endoprosthesis assembly according to claim 31 wherein the delicate constraining sheath, in the absence of the packaging sheath, either at least partially disrupts or allows an increase in a maximum diameter of the endoprosthesis assembly of at least 0.15mm, when exposed to a temperature of at least 60°C for a time of at least 30 days.

39. (Original) An endoprosthesis assembly according to claim 31 wherein the delicate constraining sheath, in the absence of the packaging sheath, either at least partially disrupts or allows an increase in a maximum diameter of the endoprosthesis assembly of at least 0.15mm, when exposed to a temperature of at least 60°C for a time of at least 45 days.

40. (Original) An endoprosthesis assembly according to claim 31 wherein the delicate constraining sheath, in the absence of the packaging sheath, either at least partially disrupts or allows an increase in a maximum diameter of the endoprosthesis assembly of at least 0.15mm, when exposed to a temperature of at least 60°C for a time of at least 60 days.

41. (Original) An endoprosthesis assembly comprising an implantable endoprosthesis capable of being diametrically expanded from a smaller diameter to a larger diameter; and a generally tubular, delicate constraining sheath provided coaxially around the endoprosthesis at the smaller diameter of the endoprosthesis, said constraining sheath being provided with means for disruption initiated by application of a distending force to the constraining sheath, wherein said assembly is stored at a temperature of less than about 5°C for at least 30 days.

42. (Original) An endoprosthesis assembly according to claim 41 wherein the assembly is stored at a temperature of less than about 5°C for at least 60 days.

Claims 43-48 (Canceled)